

U-Wp-5577 - Wacker

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application

New York, New York

Dr. Hans-Peter WEITZEL

March 13, 2001

Serial No.:

Group Art Unit:

Filed: Concurrently

Examiner

For: WATER-REDISPERSIBLE POLYMER POWDERS FOR BUILDING ADHESIVE  
COMPOSITIONS

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Hon. Commissioner of Patents and Trademarks

Washington D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to examination, please amend the above-identified  
application as follows:

In the Specification

Page 1 please replace title with:

--Water-Redispersible Polymer Powders For Building Adhesive  
Compositions

Field of the Invention--

Page 1, after the first paragraph insert:

-- Background Of The Invention--.

Page 2, before the last paragraph insert:

--Brief Description of the Invention--

Page 3, after the first paragraph insert:

--Detailed Description of the Invention--.

In the Claims

1. (Amended) A water-redispersible polymer powder, based on protective colloid stabilized vinyl ester polymers in building adhesive compositions, wherein the vinyl ester polymers contain from 0.2 to 1.5% by weight, based on the overall weight of the vinyl ester polymers, of auxiliary monomer units derived from monomers having a higher water solubility than vinyl acetate.

2. (Amended) The water dispersible polymer powder of Claim 1 comprising at least one auxiliary monomer unit selected from the group consisting of ethylenically unsaturated monocarboxylic ethylenically unsaturated dicarboxylic acids, including their anhydrides, ethylenically unsaturated carboxamides, ethylenically unsaturated carbonitriles, ethylenically unsaturated sulfonic acids and their salts.

3. (Amended) The water-dispersible polymer powder claimed in Claim 1 wherein the vinyl ester polymers comprise at least one member selected from the group consisting of vinyl ester-ethylene copolymers, vinyl ester-ethylene-fumaric acid

copolymers, vinyl ester-ethylene-maleic diester copolymers, vinyl ester-ethylene-vinyl chloride copolymers, vinyl acetate with at least one copolymerizable vinyl ester copolymer, vinyl acetate with at least one copolymerizable vinyl ester and ethylene, vinyl ester-acrylic ester copolymers and vinyl ester-acrylic ester ethylene.

4. (Amended) The water-redispersible polymer powder as claimed in Claim 1 wherein the protective colloid present comprises at least one polymer selected from the group consisting of a partially hydrolyzed polyvinyl alcohol and a fully hydrolyzed polyvinyl alcohol.

5. (Amended) The use of a water-redispersible polymer powder as claimed in Claim 4, comprising at least one polyvinyl alcohol selected from the group consisting of a partially hydrolyzed polyvinyl alcohols having a degree of hydrolysis of from 80 to 95 mol% and a Höppler viscosity in a 4% strength aqueous solution of from 1 to 30 mPas and partially hydrolyzed, hydrophobically modified polyvinyl alcohols having a degree of hydrolysis of from 80 to 95 mol% and a Höppler viscosity in 4% strength aqueous solution of from 1 to 30 mPas.

6. (Amended) The water-redispersible powder claimed in Claim 5, comprising at least one polyvinyl alcohol selected from the

group consisting of polyvinyl alcohols having a degree of hydrolysis of from 85 to 95 mol% and a Höppler viscosity in 4% strength aqueous solution from 3 to 15 mPas.

7. (Amended) A cementitious building adhesive formulation containing the water-redispersible polymer powder of Claim 1.

8. (Amended) A cement-free building adhesive formulation comprising the water-redispersible polymer powder of Claim 1.

9. (Amended) A tile adhesives comprising the water-redispersible polymer powder of Claim 1.

10. (Amended) An exterior insulation system adhesive comprising the water-redispersible polymer powder of Claim 1.

Please add the following new claims:

11. The water-dispersible polymer powder of Claim 2 wherein the vinyl ester polymers comprise at least one member selected from the group consisting of vinyl ester-ethylene copolymers, vinyl ester-ethylene-fumaric acid copolymers, vinyl ester-ethylene-maleic diester copolymers, vinyl ester-ethylene-vinyl chloride copolymers, vinyl acetate with at least one copolymerizable vinyl ester copolymer, vinyl acetate with at least one copolymerizable vinyl ester and ethylene, vinyl ester-acrylic ester copolymers and vinyl ester-acrylic ester ethylene.

12. The water-redispersible polymer powder as claimed in Claim 2 wherein the protective colloid present comprises at least one polymer selected from the group consisting of a partially hydrolyzed polyvinyl alcohol and a fully hydrolyzed polyvinyl alcohol.

13. The water-redispersible polymer powder as claimed in Claim 3 wherein the protective colloid present comprises at least one polymer selected from the group consisting of a partially hydrolyzed polyvinyl alcohol and a fully hydrolyzed polyvinyl alcohol.

14. The water-redispersible polymer powder as claimed in Claim 12, comprising at least one polyvinyl alcohol selected from the group consisting of a partially hydrolyzed polyvinyl alcohols having a degree of hydrolysis of from 80 to 95 mol% and a Höppler viscosity in a 4% strength aqueous solution of from 1 to 30 mPas and partially hydrolyzed, hydrophobically modified polyvinyl alcohols having a degree of hydrolysis of from 80 to 95 mol% and a Höppler viscosity in 4% strength aqueous solution of from 1 to 30 mPas.

15. The water-redispersible polymer powder as claimed in Claim 13, comprising at least one polyvinyl alcohol selected from the group consisting of a partially hydrolyzed polyvinyl alcohols

having a degree of hydrolysis of from 80 to 95 mol% and a Höppler viscosity in a 4% strength aqueous solution of from 1 to 30 mPas and partially hydrolyzed, hydrophobically modified polyvinyl alcohols having a degree of hydrolysis of from 80 to 95 mol% and a Höppler viscosity in 4% strength aqueous solution of from 1 to 30 mPas.

16. The water-redispersible powders claimed in Claim 14, comprising at least one polyvinyl alcohol selected from the group consisting of polyvinyl alcohols having a degree of hydrolysis of from 85 to 95 mol% and a Höppler viscosity in 4% strength aqueous solution from 3 to 15 mPas.

17. The water-redispersible powders claimed in Claim 15, comprising at least one polyvinyl alcohol selected from the group consisting of polyvinyl alcohols having a degree of hydrolysis of from 85 to 95 mol% and a Höppler viscosity in 4% strength aqueous solution from 3 to 15 mPas.

18. A cementitious building adhesive formulation containing the water-redispersible polymer powder of Claim 2.

19. A tile adhesive comprising the water-redispersible polymer powder of Claim 2.

20. An exterior insulation system adhesive comprising the water-redispersible polymer powder of Claim 2.

In the Abstract

Please add to the application on the last page thereof, the enclosed sheet containing the Abstract of the Disclosure.

REMARKS

Applicants are submitting this Preliminary Amendment prior to examination to insert the appropriate paragraph headings into their specification as well as to make some minor corrections. No new matter has been included in this amendment and the revisions were not made to avoid any prior art.

The indicated revisions in Claims were made to obviate the need for multiple dependent claims. A marked up copy of the claims is enclosed.

Since this amendment does not introduce any new matter into the application and should in fact, facilitate its prosecution, it is respectfully requested that it be entered and that the application should be examined with the indicated revisions.

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Date of Deposit March 13, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

  
BURGESS, RYAN & WAYNE

Respectfully submitted,

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Attachments